Appl. No. 10/773,767
Response to Office Action Mailed August 26, 2005

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-28. (Canceled)

29. (New) A method comprising:

populating a database with data from a model of drug behavior, the data comprising a probability distribution of a statistic and associated metadata;

receiving at a user interface an input variable from a user, the input variable comprising at least one of a treatment option, a patient population, and an assumption of the model;

applying the input variable to the data; and

displaying on the user interface a graphical output resulting from application of the input variable to the data, the graphical output including uncertainty in a selected endpoint as a function of input variables.

30. (New) The method of claim 29 wherein the summary statistic comprises at least one of an endpoint, a fraction of patients above an efficacy target, and a fraction of patients above a safety target.

31. (New) The method of claim 29 wherein the treatment option comprises an identity of a drug, a dose of the drug, and a dose frequency of the drug.

32. (New) The method of claim 29 wherein the input variables are continuous, and the output comprises an xy-plot.

33. (New) The method of claim 29 wherein the input variables are discrete, and the output comprises a box plot.

34. (New) The method of claim 29 wherein the output comprises an uncertainty in a difference in an endpoint between an input variable set including the input variable, and a second variable set.

35. (New) The method of claim 34 wherein the second variable set comprises a reference.

36. (New) The method of claim 35 further comprising selecting with the user interface, the reference for display.

37. (New) The method of claim 34 wherein:

multiple input variables are received from the user; and

the output comprise multiple endpoints for multiple combinations of the input variables.

38. (New) The method of claim 37 wherein at least one of the multiple input variables comprises a reference.

39. (New) The method of claim 29 further comprising partitioning an output into a category.

40. (New) The method of claim 29 further comprising selecting with the user interface an endpoint for display.

41. (New) The method of claim 29 further comprising selecting with the user interface an input variable for display.

42. (New) The method of claim 39 further comprising partitioning the output into a plurality of categories.

43. (New) The method of claim 42 further comprising displaying a probability of achieving a particular category for multiple combinations of input variables.

44. (New) The method of claim 42 further comprising displaying a value of the input variable required to achieve a particular category.

45. (New) The method of claim 29 further comprising selecting with the user index, a plurality of input parameters to construct a clinical utility index.

46. (New) The method of claim 29 further comprising pre-defining an output view.

47. (New) The method of claim 46 further comprising one of saving the pre-defined view, restoring the pre-defined view, and sharing the pre-defined view with another user.

48. (New) The method of claim 29 further comprising populating the database with a model pedigree.

49. (New) The method of claim 48 wherein the model pedigree comprises at least one of a source of the data, a validation of the model, and conclusions of the model.